

WHAT IS CLAIMED IS:

1. A catalyst for purifying exhaust gases, comprising:  
a substrate having heat resistance;  
a coating layer which is composed of a carrier containing alumina as a main component, and zeolite, and formed on a surface of said substrate; and

a noble metal which is carried by said coating layer, the weight ratio of alumina and zeolite in said coating layer ranging from 5 : 1 to 1 : 1.

2. A catalyst as claimed in claim 1, further comprising an HC-adsorbent layer which is interposed between said substrate and said coating layer.

3. A catalyst for purifying exhaust gases, comprising:  
a substrate having heat resistance;  
an HC-adsorbent layer which is formed on a surface of said substrate;

a lower catalyst layer which is composed of a porous carrier carrying Pd, and is formed on a surface of said HC-adsorbent layer; and

an upper catalyst layer which is composed of a porous carrier carrying Pt and Rh, and is formed on a surface of said lower catalyst layer.

4. A catalyst as claimed in claim 3, wherein at least one of said lower catalyst layer and said upper catalyst layer contains at least oxide containing Ce.

5. A catalyst as claimed in claim 1, wherein said noble metal is at least one selected from the group consisting of Pt, Rh and Pd.

6. A catalyst as claimed in claim 2, wherein said noble metal is at least one selected from the group consisting of Pt, Rh and Pd.

7. A catalyst as claimed in claim 1, wherein said zeolite is  $\beta$ -type zeolite.

8. A catalyst as claimed in claim 2, wherein said HC-adsorbent is zeolite.

9. A catalyst as claimed in claim 3, wherein said HC-adsorbent is zeolite.

10. A catalyst as claimed in claim 8, wherein said zeolite is  $\beta$ -type zeolite.